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Sequence Listing was accepted.

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Reviewer: Anne Corrigan

Timestamp: Thu Sep 27 15:01:55 EDT 2007

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Application No: 10580542 Version No: 1.0

Input Set:

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No. of SeqIDs Defined: 15  
Actual SeqID Count: 15

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# SEQUENCE LISTING

<110> Wallach, David  
 Ramakrishnan, Parameswaran  
 Shmushkovich, Taisia  
 Wang, Wangxia

<120> METHODS OF REGULATING AN IMMUNE RESPONSE

<130> 27083

<140> 10580542

<141> 2007-09-27

<160> 15

<170> PatentIn version 3.2

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<212> DNA

<213> Homo sapiens

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Gly Lys Lys Gln Ser Ser Val Tyr Lys Leu Glu Ala Val Glu Lys Ser  
35 40 45

Pro Val Phe Cys Gly Lys Trp Glu Ile Leu Asn Asp Val Ile Thr Lys  
50 55 60

Gly Thr Ala Lys Glu Gly Ser Glu Ala Gly Pro Ala Ala Ile Ser Ile  
65 70 75 80

Ile Ala Gln Ala Glu Cys Glu Asn Ser Gln Glu Phe Ser Pro Thr Phe  
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Ser Glu Arg Ile Phe Ile Ala Gly Ser Lys Gln Tyr Ser Gln Ser Glu  
100 105 110

Ser Leu Asp Gln Ile Pro Asn Asn Val Ala His Ala Thr Glu Gly Lys  
115 120 125

Met Ala Arg Val Cys Trp Lys Gly Lys Arg Arg Ser Lys Ala Arg Lys  
130 135 140

Lys Arg Lys Lys Lys Ser Ser Lys Ser Leu Ala His Ala Gly Val Ala  
145 150 155 160

Leu Ala Lys Pro Leu Pro Arg Thr Pro Glu Gln Glu Ser Cys Thr Ile  
165 170 175

Pro Val Gln Glu Asp Glu Ser Pro Leu Gly Ala Pro Tyr Val Arg Asn  
180 185 190

Thr Pro Gln Phe Thr Lys Pro Leu Lys Glu Pro Gly Leu Gly Gln Leu  
195 200 205

Cys Phe Lys Gln Leu Gly Glu Gly Leu Arg Pro Ala Leu Pro Arg Ser  
210 215 220

Glu Leu His Lys Leu Ile Ser Pro Leu Gln Cys Leu Asn His Val Trp  
225 230 235 240

Lys Leu His His Pro Gln Asp Gly Gly Pro Leu Pro Leu Pro Thr His  
245 250 255

Pro Phe Pro Tyr Ser Arg Leu Pro His Pro Phe Pro Phe His Pro Leu  
260 265 270

Gln Pro Trp Lys Pro His Pro Leu Glu Ser Phe Leu Gly Lys Leu Ala  
275 280 285

Cys Val Asp Ser Gln Lys Pro Leu Pro Asp Pro His Leu Ser Lys Leu  
290 295 300

Ala Cys Val Asp Ser Pro Lys Pro Leu Pro Gly Pro His Leu Glu Pro  
305 310 315 320

Ser Cys Leu Ser Arg Gly Ala His Glu Lys Phe Ser Val Glu Glu Tyr  
325 330 335

Leu Val His Ala Leu Gln Gly Ser Val Ser Ser Ser Gln Ala His Ser  
340 345 350

Leu Thr Ser Leu Ala Lys Thr Trp Ala Ala Arg Gly Ser Arg Ser Arg  
355 360 365

Glu Pro Ser Pro Lys Thr Glu Asp Asn Glu Gly Val Leu Leu Thr Glu  
370 375 380

Lys Leu Lys Pro Val Asp Tyr Glu Tyr Arg Glu Glu Val His Trp Ala  
385 390 395 400

Thr	His	Gln	Leu	Arg	Leu	Gly	Arg	Gly	Ser	Phe	Gly	Glu	Val	His	Arg	405	410	415
Met	Glu	Asp	Lys	Gln	Thr	Gly	Phe	Gln	Cys	Ala	Val	Lys	Lys	Val	Arg	420	425	430
Leu	Glu	Val	Phe	Arg	Ala	Glu	Glu	Leu	Met	Ala	Cys	Ala	Gly	Leu	Thr	435	440	445
Ser	Pro	Arg	Ile	Val	Pro	Leu	Tyr	Gly	Ala	Val	Arg	Glu	Gly	Pro	Trp	450	455	460
Val	Asn	Ile	Phe	Met	Glu	Leu	Leu	Glu	Gly	Gly	Ser	Leu	Gly	Gln	Leu	465	470	475
Val	Lys	Glu	Gln	Gly	Cys	Leu	Pro	Glu	Asp	Arg	Ala	Leu	Tyr	Tyr	Leu	485	490	495
Gly	Gln	Ala	Leu	Glu	Gly	Leu	Glu	Tyr	Leu	His	Ser	Arg	Arg	Ile	Leu	500	505	510
His	Gly	Asp	Val	Lys	Ala	Asp	Asn	Val	Leu	Leu	Ser	Ser	Asp	Gly	Ser	515	520	525
His	Ala	Ala	Leu	Cys	Asp	Phe	Gly	His	Ala	Val	Cys	Leu	Gln	Pro	Asp	530	535	540
Gly	Leu	Gly	Lys	Ser	Leu	Leu	Thr	Gly	Asp	Tyr	Ile	Pro	Gly	Thr	Glu	545	550	555
Thr	His	Met	Ala	Pro	Glu	Val	Val	Leu	Gly	Arg	Ser	Cys	Asp	Ala	Lys	565	570	575
Val	Asp	Val	Trp	Ser	Ser	Cys	Cys	Met	Met	Leu	His	Met	Leu	Asn	Gly	580	585	590
Cys	His	Pro	Trp	Thr	Gln	Phe	Phe	Arg	Gly	Pro	Leu	Cys	Leu	Lys	Ile	595	600	605
Ala	Ser	Glu	Pro	Pro	Pro	Val	Arg	Glu	Ile	Pro	Pro	Ser	Cys	Ala	Pro	610	615	620

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625 630 635 640

Arg Val Ser Ala Ala Glu Leu Gly Gly Lys Val Asn Arg Ala Leu Gln  
645 650 655

Gln Val Gly Gly Leu Lys Ser Pro Trp Arg Gly Glu Tyr Lys Glu Pro  
660 665 670

Arg His Pro Pro Pro Asn Gln Ala Asn Tyr His Gln Thr Leu His Ala  
675 680 685

Gln Pro Arg Glu Leu Ser Pro Arg Ala Pro Gly Pro Arg Pro Ala Glu  
690 695 700

Glu Thr Thr Gly Arg Ala Pro Lys Leu Gln Pro Pro Leu Pro Pro Glu  
705 710 715 720

Pro Pro Glu Pro Asn Lys Ser Pro Pro Leu Thr Leu Ser Lys Glu Glu  
725 730 735

Ser Gly Met Trp Glu Pro Leu Pro Leu Ser Ser Leu Glu Pro Ala Pro  
740 745 750

Ala Arg Asn Pro Ser Ser Pro Glu Arg Lys Ala Thr Val Pro Glu Gln  
755 760 765

Glu Leu Gln Gln Leu Glu Ile Glu Leu Phe Leu Asn Ser Leu Ser Gln  
770 775 780

Pro Phe Ser Leu Glu Glu Gln Glu Gln Ile Leu Ser Cys Leu Ser Ile  
785 790 795 800

Asp Ser Leu Ser Leu Ser Asp Asp Ser Glu Lys Asn Pro Ser Lys Ala  
805 810 815

Ser Gln Ser Ser Arg Asp Thr Leu Ser Ser Gly Val His Ser Trp Ser  
820 825 830

Ser Gln Ala Glu Ala Arg Ser Ser Ser Trp Asn Met Val Leu Ala Arg  
835 840 845

Gly Arg Pro Thr Asp Thr Pro Ser Tyr Phe Asn Gly Val Lys Val Gln



850

855

860

Ile Gln Ser Leu Asn Gly Glu His Leu His Ile Arg Glu Phe His Arg  
 865 870 875 880

Val Lys Val Gly Asp Ile Ala Thr Gly Ile Ser Ser Gln Ile Pro Ala  
 885 890 895

Ala Ala Phe Ser Leu Val Thr Lys Asp Gly Gln Pro Val Arg Tyr Asp  
 900 905 910

Met Glu Val Pro Asp Ser Gly Ile Asp Leu Gln Cys Thr Leu Ala Pro  
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Asn Arg Pro  
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 20 25 30

Arg Tyr Ser Gln Glu Val Phe Glu Lys Thr Lys Arg Leu Leu Phe Leu  
 35 40 45

Gly Ala Gln Ala Tyr Leu Asp His Val Trp Asp Glu Gly Cys Ala Val  
 50 55 60

Val His Leu Pro Glu Ser Pro Lys Pro Gly Pro Thr Gly Ala Pro Arg  
 65 70 75 80

Ala Ala Arg Gly Gln Met Leu Ile Gly Pro Asp Gly Arg Leu Ile Arg  
 85 90 95

Ser Leu Gly Gln Ala Ser Glu Ala Asp Pro Ser Gly Val Ala Ser Ile  
100 105 110

Ala Cys Ser Ser Cys Val Arg Ala Val Asp Gly Lys Ala Val Cys Gly  
115 120 125

Gln Cys Glu Arg Ala Leu Cys Gly Gln Cys Val Arg Thr Cys Trp Gly  
130 135 140

Cys Gly Ser Val Ala Cys Thr Leu Cys Gly Leu Val Asp Cys Ser Asp  
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Met Tyr Glu Lys Val Leu Cys Thr Ser Cys Ala Met Phe Glu Thr  
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Met Pro Lys Arg Ser Cys Pro Phe Ala Asp Val Ala Pro Leu Gln Leu  
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20 25 30

Arg Tyr Ser Gln Glu Val Phe Asp Pro Ser Gly Val Ala Ser Ile Ala  
35 40 45

Cys Ser Ser Cys Val Arg Ala Val Asp Gly Lys Ala Val Cys Gly Gln  
50 55 60

Cys Glu Arg Ala Leu Cys Gly Gln Cys Val Arg Thr Cys Trp Gly Cys  
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Gly Ser Val Ala Cys Thr Leu Cys Gly Leu Val Asp Cys Ser Asp Met  
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Tyr Glu Lys Val Leu Cys Thr Ser Cys Ala Met Phe Glu Thr  
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